

## in IDS

LOCUS AF186371 3014 bp DNA linear BCT 10-SEP-2002  
 DEFINITION Streptomyces coelicolor A3(2) AhpD (ahpD), AhpC (ahpC), and OxyR (oxyR) genes, complete cds.  
 ACCESSION AF186371  
 VERSION AF186371.1 GI:6288864  
 SOURCE Streptomyces coelicolor A3(2)  
 ORGANISM Streptomyces coelicolor A3(2)  
 Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales; Streptomycineae; Streptomycetaceae; Streptomyces.  
 REFERENCE 1 (bases 1 to 3014)  
 AUTHORS Hahn, J.S., Oh, S.Y. and Roe, J.H.  
 TITLE Role of OxyR as a Peroxide-Sensing Positive Regulator in Streptomyces coelicolor A3(2)  
 JOURNAL J. Bacteriol. 184 (19), 5214-5222 (2002)  
 MEDLINE 22206464  
 PUBMED 12218006  
 REFERENCE 2 (bases 1 to 3014)  
 AUTHORS Hahn, J.-S. and Roe, J.-H.  
 TITLE Role of OxyR as a regulator of the ahpCD operon encoding alkyl hydroperoxide reductase system in Streptomyces coelicolor  
 JOURNAL Unpublished  
 REFERENCE 3 (bases 1 to 3014)  
 AUTHORS Hahn, J.-S. and Roe, J.-H.  
 TITLE Direct Submission  
 JOURNAL Submitted (15-SEP-1999) Microbiology, Seoul National University, Kwan-Ak Gu, Shin-Lim 9Dong, San 56-1, Seoul 151-742, Korea

Query Match 13.0%; Score 217.2; DB 1; Length 3014;  
 Best Local Similarity 53.6%; Pred. No. 2.8e-43;  
 Matches 478; Conservative 0; Mismatches 408; Indels 6; Gaps 1;

Qy	492	TGAGCAATAAAGAGTACCGGCCACACTCGCCCAGCTTCGCACCTTGTCAACCATCGCAG	551
Db	1826	TGTCCAGTAAGAAGAGACAGGCCAGCCTCGCTAGCTGCGGCTTCGACGCGGTCGCCG	1885
Qy	552	AATGCAAGCACTTGGTACTGCTGCCACCAAGCTGTCCATTGCGAGCCATCCCTCTCCC	611
Db	1886	AGCACCTGCACCTCCGTGACGCCGCCGCGATCGGCATGAGCCAGGCCGGCGCTCTCGG	1945
Qy	612	AGGCACTTGTCGATTAGAACAGGCCTGGAGTTCAAGCTGATTGAACGCTCCACCCGCA	671
Db	1946	GTGCCGTTCCGCCCTGGAAGAGGCACTGGTCTCACCTCCTGGGCGTACGACGCGCA	2005
Qy	672	AGGTCAATTGTCACCCAGCGGGCGAGAACAGTTGCTGCCATTGCCAAATCCACCCGGACG	731
Db	2006	AGGTGCTGCTGTCGGCGCGACGGCTCGCGGTGCGGACCAAGGGGTACTGGCGG	2065
Qy	732	CGGCGGAGTCTTCCTCTCCCACGCCAACGGCGCCAACGGTCGCTCACTGGACCGTTGA	791
Db	2066	AGGTGGCGCGCTGTCGAGGGAGGCGGGAGGCGGTGCGGCGCCCTCACGGCGCGCTGC	2125
Qy	792	CCGTAGGCATCATCCCCACGGCGCTCCTACATTGCGTCAATGCTGTCCATCGTGG	851
Db	2126	GGCTGGCGTCATCCGACCGTGGCGCCGTATGTGCTGCCGACGGTGCTGCGCCTCGTCC	2185
Qy	852	ATGAAGAATATCCAGATCTGGAACCTCACATCGTCAAGGACCAAACCAAGCATCTTCG	911

Db 2186 ACGAGCGCTATCCGACCTCGACCTCCAGGTCCACGAGGAGCAGACGGCGAGCCTCCTGG 2245  
Qy 912 CGTTGCTGCGCGACGGCGCCATCGACGTCGCCATGATGGCCCTGCCTCTGAGGCACCAAG 971  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 2246 AGGGCCTGACGACCGGCGGCTCGACCTGCTGCTGCTCGCGGTGCCCTCGCGTCCCCG 2305  
Qy 972 GCATGAAGGAAATCCCCCTCTACGACGAAGACTTTATCGTCGTTACAGCTAGCGATCACC 1031  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 2306 GCGTCACCGAACCTCCGCTCTCGACGAGGACTTCGTCCTGGTCACGCCGCTCGACCAAC 2365  
Qy 1032 CCTTCGCCGGGCCAAGACTTAGAACTATCCGCCTTAGAAGACCTCGATCTGCTGCTTC 1091  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 2366 GACTCGCGGGCCGGGAGGGCCTGGAGCGCTCGGTGCTGCGCGAGCTGAAGCTGCTGCTGC 2425  
Qy 1092 TCGACGACGGACACTGCCTCACGACCAAATTGTGGACCTGTGCCGCCGGAGACATCA 1151  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 2426 TCGACGAGGGGACTGCCTCGCGACCAAGCGCTCGACATCTGCC-----GGGAGGCAG 2479  
Qy 1152 ACCCCATTAGCTCCACTACTGCTGTCACCCGCGCATCCAGCCTTACCAACCGTCATGCAGC 1211  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 2480 GCCGCGCGGGGGTCCCGCGACGACGACCAACGGCCGCCGGTCTGTCGACGCTGGTACAGC 2539  
Qy 1212 TCGTCGTCGCCGGCTTGGATCCACCTGGTCCCAATCAGCGCAATCCATGGGATGCA 1271  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 2540 TGGTGGCGGGCGGCCCTCGGGGTGACGCTGCTGCCCGCACCGCCGTCCGGTGGAGACCT 2599  
Qy 1272 CCCGACCAGGACTGGCAACAGCCAACCTCAACTCTGATGTCACCGCAAACCGCCGCATTG 1331  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 2600 CCCGCTCCAGCCAGCTCCTCACCGCGTCTTCACCGACCCGGCCCCACCCGCCGTATCG 2659  
Qy 1332 GÄTTGGTGTACCGTTCTTCTTCGCGCCGAAGAGTTCGAACAGTTGC 1383  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 2660 CCCTCGCCATGCGCACGGGCGGGCCCGCTCGCGGAGTACGGGAACTGGC 2711